

## Notice

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### Description CH574023

The invention relates to a sealing joints, especially of a channel in which at least one face of a concern for the dense component corresponding to a front side of an adjacent component is designed.

Components of sewers or tunnels are usually sealed by tongue and groove joints or connections to each other and with separate means axially braced against each other.

The invention has for its object to provide an improved sealing joints, which also provides a bias in the component or adjacent components to generate and merge with confusing installation, as Einschwenmen in the building permits.

To achieve this object, at a joint seal made according to the invention that is arranged between the end faces one expansion element, which forms a closed cavity, which can be pressed with a pressurized filler, so that the front is the neighboring components are forced apart.

Preferably, the expansion element in cross section rather into rectangular closed hollow ring of plastic or rubber, the radial dimensions of the cross-sectional shape of the component are adjusted.

The ring can either be secured by at least one lobe or embedded in concrete by inserting at least one lobe into a groove or by gluing on the front page of the component.

The ring is conveniently prepared by a closed joint with inserted filler and Entlüftungsstützen.

The expansion element is in the ring size for B divisible so that there are different sections that allow one hand, a differentiated bias and make the other one leaks, the entire ring impossible.

An inventive use of the joint seal is especially when creating a channel with several similar components into consideration, a preload and sealing of the components against each other by FixT Ben least two components of the channel and by expression of the the expansion elements in the cavities formed by the expansion element to effect pressurized filler.

For several elements zweckmässigenweise all joints are pressed simultaneously.

It is also possible, depending on the requirement to replace the filler tense under pressure.

Alternatively, while the outermost components of the assembly may be fixed relative to the environment, or the fixation can be achieved by connecting adjacent in the arrangement of components by means of external prestressing strands run along the components.

The prestressing strands are tensioned only by squeezing the cavities formed by the expansion elements.

The joint can be refilled at any time from the channel interior by a stub and thus be re-tensioned.

The invention and advantageous details of the invention are hereinafter with reference to schematic drawings of embodiments described in detail.

In the drawings:

- 1 is a perspective view of a component,
- 2 is an enlarged partial view as in Figure 1, but in the direction of the arrows III-III in Figure 1 is cut,
- 3 is a sectional view taken along line III-III, but has shown a corresponding counterpart of a component in contact with the front page of the component, in addition,
- 4 is a schematic view of an assembled components from piping,
- 5 shows a partial section showing the strain of two adjacent elements in a number of such components,
- 6 is an element for connecting the expansion elements to form a closed ring,
- 7 is a section similar to FIG 3 through another embodiment of a stretching elements, and
- 8 is a sectional view similar to FIG 3 with a modification.

The device 9 according to Figure 1 is an octagonal tube body.

On the front wall of the tubular body one expansion element 1 made of a stretchable plastic is fastened.

The expansion element 1 comprises a roughly rectangular in cross-section tube.

The hose list provided with at least one lobe 2, which serves to secure and seal. Preferably, the flap 2 is set in concrete.